

Serial No. 10/810,499
Amendment and Response to Office Action
Mailed February 27, 2006

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Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

LISTING OF CLAIMS:

1. - 4. (Canceled)

5. (New) A terminal device, comprising:

processing means for detecting one of a predetermined set of events that cause operation of an application program to suspend, the processing means operable to generate event data representative of a cause of the suspension of the application program;

the processing means further operable to suspend operation of an application program when an event is detected; and

storage means for storing the event data generated by the processing means;

wherein the processing means is further operable to resume operation of the application program suspended by the processing means; and

wherein the processing means is further operable to deliver the event data stored by the storage means to the resumed application program.

6. (New) The terminal device of Claim 5, wherein:

the storage means is operable to store sets of event data each representing an event between the time period from the time of suspension of operation of the application program by the processing means and the time that operation of the application program is resumed by the processing means.

7. (New) The terminal device of Claim 5, further comprising communication means for communicating via a communication network, and wherein:

Serial No. 10/810,499
Amendment and Response to Office Action
Mailed February 27, 2006

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the processing means is operable to suspend operation of the application program when the communication means receives a message in which a user of the terminal device is designated.

8. (New) A program product for causing a computer device to execute the process of:

detecting one of a predetermined set of events that cause operation of an application program to suspend;

suspending operation of the application program when an event is detected that is in the predetermined set of events;

generating event data representative of a cause of suspension of the application program;

storing the event data;

resuming operation of the application program that was suspended; and

delivering the event data to the resumed application program for use therein.

9. (New) A terminal device comprising:

a memory;

instructions stored in the memory to detect receipt of a first predetermined event;

instructions stored in the memory to suspend operation of an application that is currently being executed;

Instructions stored in the memory to store event data related to suspension of the application;

instructions stored in the memory to initiate resumption of execution of the application in response to a second predetermined event;

Serial No. 10/810,499
Amendment and Response to Office Action
Mailed February 27, 2006

Filed: March 26, 2004

instructions stored in the memory to extract the stored event data; and

instructions stored in the memory to resume execution of the application, in accordance with the extracted event data, to be indicative of the first predetermined event.

10. (New) The terminal device of claim 9, wherein instructions stored in the memory to resume execution of the application comprises instructions stored in the memory to provide notification of the first predetermined event.

11. (New) The terminal device of claim 9, wherein instructions stored in the memory to resume execution of the application comprises instructions stored in the memory to generate a message indicative of the first predetermined event.

12. (New) The terminal device of claim 11, wherein instructions stored in the memory to generate a message comprises instructions stored in memory to generate a query to a user that is related to the first predetermined event.

13. (New) The terminal device of claim 11, wherein instructions stored in the memory to generate a message comprises instructions stored in memory to generate a query to a user to launch another application to attend to the first predetermined event.

14. (New) The terminal device as in claims 11, 12, or 13, wherein the message comprises an audio message.

15. (New) The terminal device as in claims 11, 12, or 13, wherein the message comprises a text message.

Serial No. 10/810,499
Amendment and Response to Office Action
Mailed February 27, 2006

Filed: March 26, 2004

16. (New) The terminal device of claim 9, wherein the first predetermined event comprises receipt by the terminal device of an email or a call request.
17. (New) The terminal device of claim 9, wherein the first predetermined event comprises receipt or transmission by the terminal device of data via a short range transmission.
18. (New) The terminal device of claim 9, wherein the first predetermined event comprises execution of another application by the application.
19. (New) The terminal device of claim 9, further comprising instructions stored in the memory to store event data for events that occur while the application is suspended, and instructions stored in the memory to provide notification of the events that occur while the application is suspended, when execution of the application is resumed.
20. (New) The terminal device of claim 9, wherein the second predetermined event comprises a user command.
21. (New) The terminal device of claim 9, wherein the second predetermined event comprises expiration of a determined time period.
22. (New) The terminal device of claim 9, wherein the second predetermined event comprises completion of the first predetermined event.

Serial No. 10/810,499
Amendment and Response to Office Action
Mailed February 27, 2006

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23. (New) The terminal device of claim 9, wherein instructions stored in memory to suspend the application comprises instructions stored in the memory to, during the suspension, maintain application related data in volatile memory that was input by a user prior to the suspension.

24. (New) The terminal device of claim 9, wherein instructions stored in memory to suspend the application comprises instructions stored in memory to maintain the suspended application in volatile memory during the suspension.

25. (New) The terminal device of claim 9, wherein instructions stored in memory to store event data comprises instructions stored in memory to set an event flag indicative of the first predetermined event.

26. (New) The terminal device of claim 9, wherein instructions stored in memory to store event data comprises instructions stored in memory to store an indicator of the first predetermined event and an identifier of the suspended application in a table.

27. (New) The terminal device of claim 9, further comprising instructions stored in memory to store the application in volatile memory when the application is launched, and instructions stored in memory to suspend the application comprises instructions stored in memory to maintain the application in the volatile memory until execution is resumed.

28. (New) The terminal device of claim 9, further comprising instructions stored in memory to delete the stored event data when execution of the application is resumed.